

AMENDMENT TO THE DRAWINGS

In Figure 1, Applicant changed "108" to "14". See attached "Replacement Sheet".

REMARKS

This is in response to the Office Action of July 26, 2005. In the Office Action, claims 1-33 were rejected. With this response, claims 1, 9, 10, 12-13, 15 and 18 are amended, claims 21-33 are cancelled, new claims 34-38 are added and all pending claims 1-20 and 34-39 are presented for reconsideration and favorable action. Additionally, with this response, the specification is amended, as is Figure 1.

In the Office Action, the Examiner noted a number of errors in the drawings, specification and claims. With this response, it is believed that those matters have been corrected and the objections may be withdrawn.

A number of claims were rejected based on Eckhardt U.S. Patent number 4,484,479. The independent claims have been amended to include an electrical insulator on an inner wall of a vessel (conduit). An electrode of the pressure sensor is carried in the electrical insulator. This is particularly advantageous when a metal or otherwise conductive conduit is used because the electrode does not electrically connect to the conduit. Such a configuration is not shown or suggested by the Eckhardt reference.

Additionally, a number of claims were rejected under 35 USC 102(b) based upon Wiklund U.S. Patent Number 6,725,731. The amended independent claims state that an electrical insulator is positioned on with an inner wall of a vessel which carries a process fluid. Wiklund shows no such configuration. In Wiklund, the pressure sensor electrode is carried in a separate plate 20 illustrated in Figures 9 and 10. Further, claim 1 states that the diaphragm mates flush with the inner wall of the conduit and generally parallel with the flow. This also is not shown by Wiklund. Since Wiklund does not show the claimed configuration, it is believed that the rejection may be withdrawn.

Further, Applicant notes that the dependent claims include numerous configurations and arrangements which, when read in combination with the claims from which they depend; are not shown or suggested by the references. Therefore, it is believed that these claims are also in condition for allowance.

In view of the above amendments and remarks, the present application is in condition for allowance. Consideration and favorable action are respectfully requested.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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